

CLAIMS:

1. An optical recording medium comprising a substrate and a recording layer in which data can be recorded by projecting a laser beam thereonto, the recording layer including a first recording film containing
5 an element selected from the group consisting of Si, Ge, C, Sn, Au, Zn and Cu as a primary component and a second recording film containing Ti as a primary component.
2. An optical recording medium in accordance with Claim 1, wherein
10 the second recording film contains Al as an additive.
3. An optical recording medium in accordance with Claim 2, wherein the second recording film contains Al as an additive in an amount equal to or more than 25 atomic % and less than 50 atomic %.
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4. An optical recording medium in accordance with Claim 1, which further comprises a first dielectric layer and a second dielectric layer on opposite sides of the recording layer.
- 20 5. An optical recording medium in accordance with Claim 2, which further comprises a first dielectric layer and a second dielectric layer on opposite sides of the recording layer.
6. An optical recording medium in accordance with Claim 3, which
25 further comprises a first dielectric layer and a second dielectric layer on opposite sides of the recording layer.
7. An optical recording medium in accordance with Claim 1, which

further comprises a light transmission layer having a thickness of 10 to 300 μm on the opposite side to the substrate with respect to the recording layer and one surface of the light transmission layer constitutes a light incidence plane through which the laser beam enters the optical recording medium.

8. An optical recording medium in accordance with Claim 2, which further comprises a light transmission layer having a thickness of 10 to 300 μm on the opposite side to the substrate with respect to the recording layer and one surface of the light transmission layer constitutes a light incidence plane through which the laser beam enters the optical recording medium.

9. An optical recording medium in accordance with Claim 3, which further comprises a light transmission layer having a thickness of 10 to 300 μm on the opposite side to the substrate with respect to the recording layer and one surface of the light transmission layer constitutes a light incidence plane through which the laser beam enters the optical recording medium.

10. An optical recording medium in accordance with Claim 4, which further comprises a light transmission layer having a thickness of 10 to 300 μm on the opposite side to the substrate with respect to the recording layer and one surface of the light transmission layer constitutes a light incidence plane through which the laser beam enters the optical recording medium.

11. An optical recording medium in accordance with Claim 5, which

further comprises a light transmission layer having a thickness of 10 to 300 μm on the opposite side to the substrate with respect to the recording layer and one surface of the light transmission layer constitutes a light incidence plane through which the laser beam enters the optical recording
5 medium.

12. An optical recording medium in accordance with Claim 6, which further comprises a light transmission layer having a thickness of 10 to 300 μm on the opposite side to the substrate with respect to the recording
10 layer and one surface of the light transmission layer constitutes a light incidence plane through which the laser beam enters the optical recording medium.

13. An optical recording medium comprising a substrate and a
15 plurality of information recording layers in which data can be recorded by projecting a laser beam thereonto, at least one information recording layer other than a information recording layer farthest from a light incidence plane through which a laser beam enters including a first recording film containing an element selected from the group consisting of
20 Si, Ge, C, Sn, Au, Zn and Cu as a primary component and a second recording film containing Ti as a primary component.

14. An optical recording medium in accordance with Claim 13, wherein the second recording film contains Al as an additive.

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15. An optical recording medium in accordance with Claim 14, wherein the second recording film contains Al as an additive in an amount equal to or more than 25 atomic % and less than 50 atomic %.

16. An optical recording medium in accordance with Claim 13, which further comprises a first dielectric layer and a second dielectric layer on opposite sides of the at least one recording layer.

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17. An optical recording medium in accordance with Claim 14, which further comprises a first dielectric layer and a second dielectric layer on opposite sides of the at least one recording layer.

10 18. An optical recording medium in accordance with Claim 15, which further comprises a first dielectric layer and a second dielectric layer on opposite sides of the at least one recording layer.

15 19. An optical recording medium in accordance with Claim 13, which further comprises a light transmission layer having a thickness of 10 to 300 μm on the opposite side to the substrate with respect to the plurality of recording layers and one surface of the light transmission layer constitutes a light incidence plane through which the laser beam enters the optical recording medium.

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20. An optical recording medium in accordance with Claim 14, which further comprises a light transmission layer having a thickness of 10 to 300 μm on the opposite side to the substrate with respect to the plurality of recording layers and one surface of the light transmission layer
25 constitutes a light incidence plane through which the laser beam enters the optical recording medium.

21. An optical recording medium in accordance with Claim 15, which

further comprises a light transmission layer having a thickness of 10 to 300 μm on the opposite side to the substrate with respect to the plurality of recording layers and one surface of the light transmission layer constitutes a light incidence plane through which the laser beam enters the optical recording medium.

22. An optical recording medium in accordance with Claim 16, which further comprises a light transmission layer having a thickness of 10 to 300 μm on the opposite side to the substrate with respect to the plurality of recording layers and one surface of the light transmission layer constitutes a light incidence plane through which the laser beam enters the optical recording medium.

23. An optical recording medium in accordance with Claim 17, which further comprises a light transmission layer having a thickness of 10 to 300 μm on the opposite side to the substrate with respect to the plurality of recording layers and one surface of the light transmission layer constitutes a light incidence plane through which the laser beam enters the optical recording medium.

24. An optical recording medium in accordance with Claim 18, which further comprises a light transmission layer having a thickness of 10 to 300 μm on the opposite side to the substrate with respect to the plurality of recording layers and one surface of the light transmission layer constitutes a light incidence plane through which the laser beam enters the optical recording medium.